

## REMARKS

In the Communication mailed October 20, 2003, the Examiner stated that "in the Raw sequence listing the length of SEQ ID NO: 4 (the M adaptor) is 20" and "the sequence listed on page 44 has a length of 53."

This perceived difference arises, however, because SEQ ID NO: 4 represents only the top strand of the "M" adaptor shown on page 44 of the specification. To address this source of confusion, applicants have added SEQ ID NOs corresponding to complementary strands of adaptors in the specification. For example, SEQ ID NO: 32 represents the bottom strand of the "M" adaptor shown on page 44 of the specification.

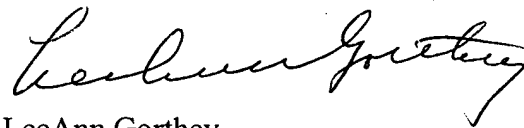
In addition, SEQ ID NO: 30 represents the bottom strand of the "Q" adaptor shown on page 44 (and on page 51) of the specification; SEQ ID NO: 31 represents the bottom strand of the "N" adaptor shown on page 44 of the specification; SEQ ID NO: 33 represents the bottom strand of the "ssssN" adaptor shown on page 52 of the specification; and SEQ ID NO: 36 represents the bottom strand of the "ZavaW" adaptor shown on page 44 of the specification.

Finally, SEQ ID NOs: 34 and 35 represent both strands of the "M" adaptor shown on page 52 of the specification, since the top strand differs in length from SEQ ID NO: 4.

Also enclosed are amendments to the specification adding the new SEQ ID NOs. The replacement paragraphs are marked to show changes relative to the immediate prior version, which version comprises the amendments filed on November 8, 2001.

Entry of the above amendments is respectfully requested. No new matter is added by the amendments.

Respectfully submitted,



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